

Serial No. To Be Assigned

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Heinz Lambrecht

Examiner:

To Be Assigned

Serial No.: To Be Assigned

Group Art Unit:

To Be Assigned

Filed: January 27, 2004

Docket No.:

00635.0369-US-01

Title: DEVICE AND METHOD FOR PERFORMING MELTING AND CASTING

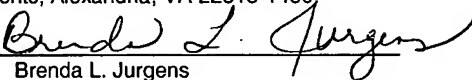
CERTIFICATE UNDER 37 C.F.R. 1.10:

'Express Mail' mailing number: EV 314776923 US

Date of Deposit: January 27, 2004

The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, Alexandria, VA 22313-1450.

By:

  
Brenda L. Jurgens

**PRELIMINARY AMENDMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

**ABSTRACT**

Please amend the abstract in the application as follows: Clean copy below with marked up copy in Appendix A.

The invention concerns an apparatus for carrying out a melting and casting operation in the fine casting art comprising a melting crucible for receiving melting charge, a heating device for heating the melting charge in the melting crucible, and a pyrometer for ascertaining the temperature of the melting charge. In order to improve the quality of the products manufactured with such an operation the invention provides that the apparatus is provided with a control device for controlling the melting and casting operation in dependence on the ascertained melting charge temperature, wherein the control device has a database with a plurality of selectable, respectively melting charge material-specific parameter sets, each with one or more parameters for configuring the pyrometer.